

Serial No. 10/665,241

IN THE CLAIMS

Claim 1 (currently amended): A band including a split compound yarn and a rubber yarn woven together with the split compound yarn, with the split compound yarn being characterized as being split after weaving with the rubber yarn, with the split compound yarn being formed of extended, cooled, spun filaments of extruded molten first and second materials, with the first material being different from the second material.

Claim 2 (currently amended): The ~~[[band]]~~ method according to claim 1 ~~wherein the band is made by means of a process including the steps of 4 further comprising:~~

- ~~□~~ ~~making the compound yarn;~~
- ~~□~~ providing ~~[[the]]~~ a rubber yarn;
- ~~[[□]]~~ weaving the compound yarn together with the rubber yarn so as to form ~~[[the]]~~ a band; and
- ~~[[□]]~~ washing the band so as to split the compound yarn.

Claim 3 (canceled).

Claim 4 (currently amended): ~~The band according to claim 3 wherein the step A method~~ of making ~~[[the]]~~ a compound yarn ~~includes the steps of comprising:~~

- ~~[[□]]~~ melting and extruding ~~[[the]]~~ a first material;
- ~~[[□]]~~ melting and extruding ~~[[the]]~~ a second material;
- ~~[[□]]~~ pumping the molten first material and the molten second material at predetermined rates;
- ~~[[□]]~~ spinning filaments from the molten first material;
- ~~[[□]]~~ spinning filaments from the molten second material;
- ~~[[□]]~~ cooling the filaments spun from the molten first and second materials;
- ~~[[□]]~~ extending the cooled filaments so as to form the compound yarn;
- ~~[[□]]~~ heating and setting the compound yarn; and
- ~~[[□]]~~ reeling the compound yarn.

Claims 5 and 6 (canceled).

Claim 7 (currently amended): The ~~[[band]]~~ method according to claim ~~[[6]]~~ 4 wherein ~~the chemical step is taken in the step of~~ during melting and extruding one of the first material and the second material, adding a chemical to facilitate the splitting of the compound yarn.

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Claim 8 (currently amended): The ~~[[band]]~~ method according to claim 7 wherein adding the chemical ~~[[step]]~~ is ~~a step of~~ adding a nucleated agent to one of the first material and the second material.

Claim 9 (currently amended): The ~~[[band]]~~ method according to claim 8 wherein the nucleated agent is selected from a group of CaSiO_3 , SiO_2 and MoS_2 .

Claim 10 (currently amended): The ~~[[band]]~~ method according to claim 7 wherein adding the chemical ~~[[step]]~~ is ~~a step of~~ adding a splitting agent to one of the first material and the second material.

Claim 11 (currently amended): The ~~[[band]]~~ method according to claim 10 wherein the splitting agent is superfine Teflon.

Claim 12 (currently amended): The ~~[[band]]~~ method according to claim 7 wherein adding the chemical ~~[[step]]~~ is ~~a step of~~ making one of the first material and the second material via mixing 20-80% of amorphous polymer with 80-20% of crystal polymer.

Claim 13 (currently amended): The ~~[[band]]~~ method according to claim 7 wherein adding the chemical ~~[[step]]~~ is ~~a step of~~ melting the first material and the second material at carefully calculated temperatures so that the stickiness of the first material to the second material is low.

Claim 14 (currently amended): The ~~[[band]]~~ method according to claim ~~5~~ wherein the ~~step of~~ 4 further comprising:

acting on the compound yarn mechanically for facilitating the splitting of the compound yarn ~~is a mechanical step~~.

Claim 15 (currently amended): The ~~[[band]]~~ method according to claim 14 wherein acting on the mechanical step compound yarn is taken in ~~the step of~~ spinning the ~~compound yarn filaments~~.

Claim 16 (currently amended): The ~~[[band]]~~ method according to claim 15 wherein acting on the mechanical step compound yarn is reeling ~~the compound yarn~~ at a rate of 3000-8000 meter per minute so that the first material crystallizes at a rate adequately different from a rate at which the second material crystallizes.

Claim 17 (original): The band according to claim 1 wherein the band is a wristband.

Claim 18 (original): The band according to claim 1 wherein the band is a headband.

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Claim 19 (currently amended): The band according to claim ~~[[3]]~~ 1 wherein the first material is ~~such as~~ nylon.

Claim 20 (currently amended): The band according to claim ~~[[3]]~~ 19 wherein the second material is polyester.

Claim 21 (new): The method according to claim 4 wherein the first material is nylon.

Claim 22 (new): The method according to claim 21 wherein the second material is polyester.